

Weicon GmbH

Revision date: 24.10.2009

Revision no.:

1,00

Plastic-Metal F2 Hardener

7619-0018

1. Product and Company Identification

Commercial product name

Plastic-Metal F2 Hardener

Further trade names

10200-1

Chemical characterization (Mixture)

Hardener for a 2-component epoxy adhesive

Company/undertaking identification

Manufacturer

Weicon GmbH

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2. Hazards Identification

Route(s) of Entry

Skin and eye contact, inhalation and ingestion.

Signs and Symptoms of Exposure

WARNING !

May impair fertility.

Causes burns.

May cause sensitization by skin contact.

OSHA Hazard Communication: This material is considered hazardous by the OSHA Hazard Communication Standard 29CFR 1910.1200.

Carcinogenicity (NTP): Not listed

Carcinogenicity (IARC): Not listed

Carcinogenicity (OSHA): Not listed

3. Composition/Information on Ingredients

Hazardous components

CAS No.	Components	Quantity
112-57-2	3,6,9-triazaundecamethylenediamine, tetraethylenepentamine	5 - 10 %
80-05-7	bisphenol A; 4,4'-isopropylidenediphenol	4 - 10 %
140-31-8	2-piperazin-1-ylethylamine	1 - 7 %

4. First Aid Measures

General information

Remove contaminated soaked clothing immediately.

In the event of persistent symptoms receive medical treatment.

After inhalation

Move to fresh air in case of accidental inhalation of vapours or decomposition products.

In the event of symptoms refer for medical treatment.

After contact with skin

Wash off immediately with soap and plenty of water.

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Do not use solvents or thinners.

Consult a doctor if skin irritation persists.

After contact with eyes

Rinse eyes immediately with large amounts of water for several minutes, especially under the eyelids.

Seek medical treatment by eye specialist.

After ingestion

Do not induce vomiting.

If swallowed by mistake drink plenty of water and seek medical treatment.

5. Fire Fighting Measures

Suitable extinguishing media

Foam, carbon dioxide (CO₂), dry chemical, water-spray.

Unsuitable extinguishing media

Full water jet

Special hazards arising from the chemical

Fire may produce:

Carbon monoxide (CO)

Carbon dioxide (CO₂)

Nitrogen oxides (NO_x)

Protective equipment and precautions for firefighters

Use breathing apparatus with independent air supply.

Additional information

Collect contaminated firefighting water separately, must not be discharged into the drains.

6. Accidental Release Measures

Personal precautions

Remove persons to safety.

Ensure adequate ventilation.

Keep away sources of ignition.

Environmental precautions

Clean contaminated surface thoroughly.

Do not discharge into the drains/surface waters/groundwater.

Methods for cleaning up/taking up

Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).

Shovel into suitable container for disposal.

Additional information

Do not discharge into the subsoil/soil.

7. Handling and Storage

Handling

Advice on safe handling

Use only in thoroughly ventilated areas.

Avoid formation of aerosols.

Avoid contact with skin, eyes and clothing.

When using, do not eat, drink or smoke.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

Pay attention to general rules of internal fire prevention.

Take precautionary measures against static discharges.

Storage

Requirements for storage rooms and vessels

Keep container tightly closed in a dry, cool and well-ventilated place.

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Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

Recommended storage temperature: room temperature.

8. Exposure Controls/Personal Protection**Exposure limit values****Occupational exposure controls**

Ensure adequate ventilation, especially in confined areas.

Do not inhale gases/vapours/aerosols.

Protective and hygiene measures

Wash hands before breaks and immediately after handling the product.

When using, do not eat, drink or smoke.

Avoid contact with skin, eyes and clothing.

Remove and wash contaminated clothes before re-use.

Respiratory protection

Use suitable breathing apparatus if there is inadequate ventilation.

Hand protection

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: Butyl latex, 0,7 mm, 480 min., 60 min., i.e. protective glove made by www.kcl.de.

This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

Eye protection

Tightly fitting goggles

Skin protection

Light protective clothing

Safety Shoes

9. Physical and Chemical Properties**Appearance**

Form:	Liquid
Color:	Blue
Odor:	Hardly noticeable

Important health, safety and environmental information

	Test method
pH-Value (at 20 °C):	11 1:1 in water

Changes in the physical state

Boiling point:	>200 °C
Flash point:	147 °C
Vapour pressure: (at 20 °C)	0.10 hPa
Density (at 20 °C):	0.98 g/cm ³
Water solubility: (at 20 °C)	Insoluble
Viscosity / dynamic: (at 25 °C)	450-900 mPa·s

10. Stability and Reactivity

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Stability

Stable

Conditions to avoid

Keep away from heat and sources of ignition.

No decomposition below 200°C.

Materials to avoid

Reactions with strong acids.

Reactions with strong oxidizing agents.

Hazardous decomposition products

Carbon monoxide and carbon dioxide.

Nitrous oxides (NOx)

Possibility of Hazardous Reactions

Will not occur

Additional information

No decomposition if stored and applied as directed.

11. Toxicological Information

Acute toxicity

LD50/oral = 4100 mg/kg Rat

Corrosive and irritant effects

Skin irritation = Irritant Rabbit

Eye irritation = Irritant Rabbit eye

Sensitizing effects

Sensitization skin (guinea pig): Sensitizing

Sensitization through skin contact possible.

12. Ecological Information

Further information

Do not discharge product unmonitored into the environment.

Product is not allowed to be discharged into aquatic environment.

13. Disposal Considerations

Advice on disposal

Remove in accordance with local official regulations.

Can be incinerated, when in compliance with local regulations.

Where possible recycling is preferred to disposal.

Empty containers may be recycled. Otherwise dispose of in accordance with applicable regulations.

Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packagings are to be treated like the product itself.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

14. Transport Information

US DOT 49 CFR 172.101

Proper shipping name

Not regulated.

Land transport (ADR/RID)

Description of the goods

No hazardous material as defined by the transport regulations.

Other applicable information

No hazardous material as defined by the transport regulations.

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15. Regulatory Information

U.S. Regulations

National Inventory TSCA

All of the components are listed on the TSCA inventory.

SARA

To the best of our knowledge this product contains no toxic chemicals subject to the supplier notification requirements of Section 313 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 372.

16. Other Information

Hazardous Materials Information Label (HMIS)

Health: *1

Flammability: 1

Physical Hazard: 0

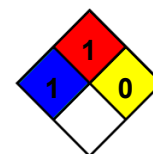
NFPA Hazard Ratings

Health: 1

Flammability: 1

Reactivity: 0

Unique Hazard:



Other data

Data of sections 4 to 8, as well as 10 to 12, do not necessarily refer to the use and the regular handling of the product (in this sense consult package leaflet and expert information), but to release of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

"(n.a. = not applicable; n.d. = not determined)"

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)